

REMARKS

Claims 1-20 remain pending in the application.

Allowed claims 10-20

The Applicant thanks the Examiner for the indication of allowance of claims 10-20.

Objection to the Disclosure

The disclosure was objected to because of a noted informality-in particular, a typographical error in the equations on pages 5, 8, 9 and 13.

It appears that the Examiner has overlooked the Preliminary Amendment filed on June 5, 2001, which corrected each of these typographical errors. A courtesy copy of that Preliminary Amendment, filed almost 3 years ago, is attached hereto.

It is respectfully requested that the objection be withdrawn.

Claims 1-9 under 35 USC 112, second paragraph

Claims 1-9 were rejected under 35 USC 112, second paragraph, for allegedly reciting disconnected parts.

Claims 1-9 have been carefully reviewed, and are amended appropriately herein to be in better conformance with 35 USC 112. In particular, claim 1, from which claims 2-9 depend, is amended herein to recite that the plurality of multiple degree subfilters are grouped into a multiple degree polynomial subfilter, using language similar to that of allowed claim 10.

Claims 1-9 being in full compliance with 35 USC 112, it is respectfully requested that the rejection now be withdrawn.

Conclusion

All objections and rejections having been addressed, it is respectfully submitted that the subject application is in condition for allowance and a Notice to that effect is earnestly solicited.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'William H. Bollman', written over a horizontal line.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re Application of:

FREDRICKSON

Group Art Unit: **unknown**

Serial No.: **09/851,830**

Examiner: **unknown**

Filed: **May 9, 2001**

Attorney Docket No.: **20-134**

Title: **MULTI-RATE REED-SOLOMON ENCODERS**

June 5, 2001

PRELIMINARY AMENDMENT

RECEIVED

Director of the US Patent & Trademark Office
Washington, DC 20231

JUN 07 2004

Technology Center 2100

Sir:

Prior to action in the above-captioned application, please amend the application as follows:

IN THE SPECIFICATION:

Please correct the typographical errors in the formula on page 5, at line 6 with:

Red

$$H(D) = \frac{Y(D)}{X(D)} = 1 + \frac{1}{\sum_{i=0}^p g_i D^{p-i}} = 1 + \prod_{i=0}^{p-1} H_i(D),$$

Please correct the typographical errors in the formula on page 5, at line 9 with:

$$H_i(D) = \frac{1}{1 + \alpha^{i+j} D}$$

Please correct the typographical errors in the formula on page 8, at line 17 with:

$$F(D) = \prod_{i=0}^{p-1} H_i(D)$$

Please correct the typographical errors in the formula on page 9, at line 11 with:

$$F(D) = \prod_{i=0}^{p-1} H_i(D)$$

Please correct the typographical errors in the formula on page 9, at line 13 with:

$$F_1(D) = \prod_{i=14}^{21} H_i(D), \text{ and}$$

Please correct the typographical errors in the formula on page 9, at line 15 with:

$$F_2(D) = \prod_{i=22}^{23} H_i(D)$$

Please correct the typographical errors in the formula on page 13, at line 12 with:

$$P_0(D) = \frac{1}{1+D}$$

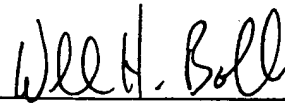
Please correct the typographical errors in the formula on page 13, at line 16 with:

$$P_i(D) = \frac{1}{(1+\alpha^i D)(1+\alpha^{-i} D)} = \frac{1}{1+(\alpha^i + \alpha^{-i})D + D^2}$$

REMARKS

Early and favorable action on the merits is respectfully requested.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "William H. Bollman", written over a horizontal line.

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